What is claimed is:

1.   A voice mailbox management method in a user mobile telecommunications terminal using a short message, the voice mailbox management method comprising the steps of:

(a) accessing a voice mail server, receiving a new or previously
5   stored voice message stored in a voice mailbox of the voice mail server, and outputting the voice message to a user;

(b) sending to the voice mail server a user input for storing the new voice message or deleting the new or previously stored voice message stored in the voice mailbox of the voice mail server, and
10   finishing the access to the voice mail server;

(c) when a state change in the new or previously stored voice message stored in the voice mailbox of the voice mail server occurs due to the user input sent in the step (b), receiving from the voice mail server a short message indicating the state change of the new or
15   previously stored voice message stored in the voice mailbox of the voice mail server; and

(d) according to the state change of the voice message stored in the voice mailbox of the voice mail server, which is indicated through the short message received in the step (c), modifying information
20   regarding the new or previously stored voice message stored in the voice mailbox of the user mobile telecommunication terminal.

2.   The voice mailbox management method using a short message of claim 1, wherein in the step (c), the short message comprises at least one of a message identifier of a voice message which was changed from a new state to a stored state, and a message
5   identifier which was deleted from a new state or a stored state in the voice mailbox of the voice mail server.

3.   The voice mailbox management method using a short message of claim 1, wherein in the step (c) the short message comprises at least one of a message identifier of the new voice message and a message identifier of the previously stored voice

5   message, both of the messages being stored in the voice mailbox of the voice mail server.

4.   The voice mailbox management method using a short message of claim 2, wherein the short message received in the step (c) comprises a message identifier of a voice message in a bearer data field of a point-to-point type message for a short message service; and

5   the step (d) further comprises referring to the message identifier of the voice message in the bearer data field of the point-to-point type message for the short message service, and modifying information about the voice message having the message identifier among information regarding voice messages stored in the voice mailbox of

10 the user mobile telecommunications terminal.

5.   A voice mailbox management method in a voice mail server using a short message, the voice mailbox management method comprising the steps of:

       (a) sending a new or previously stored voice message stored in

5   a voice mailbox of the voice mail server to a user mobile telecommunications terminal connected to the voice mail server;

       (b) receiving a command for storing a new voice message or for deleting a new or previously stored voice message stored in the voice mailbox of the voice mail server, from the user mobile

10 telecommunications terminal connected to the voice mail server;

(c) changing a state of the new or previously stored voice message stored in the voice mailbox of the voice mail server in accordance with the command received in the step (b); and

(d) sending to the user mobile telecommunications terminal a short message indicating the state of the new or previously stored voice message stored in the voice mailbox of the voice mail server changed in the step (c).

6.   The voice mailbox management method using a short message of claim 5, wherein in the step (d), the short message comprises at least one of a message identifier of the new voice message which was changed from a new state to a stored state, and a message identifier of the new or previously stored voice message which was changed to a deleted stated.

7.   The voice mailbox management method using a short message of claim 5, wherein in the step (d), the short message comprises a message identifier of the new or previously stored voice message stored in the voice mailbox of the voice mail server.

8.   The voice mailbox management method using a short message of claim 6, wherein the step (d), comprises sending the message identifier of the new or previously stored voice message in a bearer data field of a point-to-point type message for a short message service.

9.   A voice mailbox management method for a voice mail server using a short message, the voice mailbox management method comprising the steps of:

(a) receiving a new voice message for a user mobile telecommunications terminal in a voice mail server;

(b) assigning a message identifier for the new message received in the step (a) in the voice mail server, and storing the message identifier with the new voice message received in the step (a) in the voice mailbox of the voice mail server;

10   (c) forming a short message including the message identifier of the new voice message assigned in the step (b) for indicating the new message stored in the voice mailbox of the voice mail server, to the user mobile telecommunications terminal; and

(d) sending the short message formed in the step (c), including

15   the message identifier of the new voice message, to the user mobile telecommunications terminal from the voice mail server.

10.   The voice mailbox management method of claim 9, wherein in the step (c), the short message including the message identifier of the new voice message assigned in the step (b), is formed in a user data field at voice mail notification service type in a bearer

5   data field of a point-to-point type message for a short message service.

11.   A voice mailbox management method using a short message for a user mobile telecommunications terminal, the voice mailbox management method comprising the steps of:

(a) receiving user input modifying information regarding a new or

5   previously stored voice message stored in a voice mailbox of the user mobile telecommunications terminal;

(b) modifying information of the new or previously stored voice message stored in the voice mailbox of the user mobile telecommunications terminal, according to the user input modifying

10   information received in the step (a);

(c) forming a short message notifying the voice mail server of the modification of the information regarding the new or previously

stored voice message stored in the voice mailbox of the user mobile telecommunications terminal; and

15   (d) sending the short message, formed in the step (c), notifying the voice mail server of the modification of the information regarding the new or previously stored voice message stored in the voice mailbox of the user mobile telecommunications terminal.

12.   The voice mailbox management method of claim 11, wherein the user input modifying information is an instruction for deleting a new or previously stored voice message stored in the voice mailbox of the user mobile telecommunications terminal; the step (b)

5   comprises deleting information of the new or previously voice message stored in the voice mailbox of the user mobile telecommunications terminal; and the step (c) comprises forming the short message including the message identifier of the voice message of which information was deleted in the step (b) in the bearer data field of a

10   point-to-point type for a short message service.

13.   A voice mailbox management method of a voice mail server using a short message, the voice mailbox management method comprising the steps of:

        (a) receiving a short message indicating a modification of

5   information of a new or previously stored message stored in a voice mailbox of a user mobile telecommunications terminal from the user mobile telecommunications terminal; and

        (b) changing the state of the new or previously stored voice message stored in the voice mailbox of the user mail server, according

10   to the modification of the information of the voice message stored in the voice mailbox of the user mobile telecommunications terminal, which was notified through the short message received in the step (a).

14.   The voice mailbox management method of claim 13,
wherein in the step (a), a short message including a message identifier
of the new or previously received voice message, which has been
deleted, in the bearer data field of a point-to-point type message for a
short message service is received, as information about the new or
previously stored message stored in the voice mailbox of the user
mobile telecommunications terminal which has been changed due to
the deletion of a new or previously stored message stored in the voice
mailbox of the user mobile telecommunications terminal; in the step (b),
the state of the new or previously stored voice message having the
message identifier is changed, referring to the message identifier of the
voice message in the bear data field of a point-to-point type message
for a short message service, included in the short message received in
the step (a).

15.   A computer readable medium having embodied thereon a
computer program for a voice mail system, between a user mobile
telecommunications terminal and a voice mail server, managing voice
mailboxes using a short message, wherein the voice mailbox
management method comprises the steps of:
      (a) receiving a new or previously stored voice message stored in
a voice mailbox of the voice mail server, and outputting the voice
message through the user mobile telecommunications terminal;
      (b) sending a user input for storing the new voice message or
deleting the new or previously stored voice message stored in the
voice mailbox of the voice mail server, to the voice mail server, and
finishing the access to the voice mail server;
      (c) when a state change in a voice message stored in the voice
mailbox of the voice mail server occurs due to the user input sent in the
step (b), receiving from the voice mail server a short message notifying

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the state change of the new or previously stored voice message stored in the voice mailbox of the voice mail server; and

(d) according to the state change of the new or previously voice message stored in the voice mailbox of the voice mail server, which is indicated through the short message received in the step (c), modifying information regarding the new or previously stored voice message stored in the voice mailbox of the user mobile telecommunication terminal.

16.   A computer readable medium having embodied thereon a computer program for a voice mail system, between a user mobile telecommunications terminal and a voice mail server, managing voice mailboxes using a short message, wherein the voice mailbox management method comprises the steps of:

(a) sending a new or previously stored voice message stored in a voice mailbox of the voice mail server to a user mobile telecommunications terminal connected to the voice mail server;

(b) receiving a command for storing the new voice message or for deleting the new or previously stored voice message stored in the voice mailbox of the voice mail server, from the user mobile telecommunications terminal connected to the voice mail server;

(c) changing a state of a voice message stored in the voice mailbox of the voice mail server in accordance with the command received in the step (b); and

(d) sending a short message indicating the state of the voice message stored in the voice mailbox of the voice mail server changed in the step (c), to the user mobile telecommunications terminal.

17.   A computer readable medium having embodied thereon a computer program for a voice mail system, between a user mobile telecommunications terminal and a voice mail server, managing voice

mailboxes using a short message, wherein the voice mailbox

5   management method comprises the steps of:

(a) receiving a new voice message for a user mobile telecommunications terminal;

(b) assigning a message identifier for the new message received in the step (a), and storing the message identifier with the new voice

10   message received in the step (a) in a voice mailbox of the voice mail server;

(c) forming a short message including the message identifier of the new voice message assigned in the step (b) for notifying the user mobile telecommunications terminal that the new message is stored in

15   the voice mailbox of the voice mail server; and

(d) sending the short message formed in the step (c), including the identifier of the new voice message, to the user mobile telecommunications terminal from the voice mail server.

18.   A computer readable medium having embodied thereon a computer program for a voice mail system, between a user mobile telecommunications terminal and a voice mail server, managing voice mailboxes using a short message, wherein the voice mailbox

5   management method comprises the steps of:

(a) receiving a user input modifying information regarding a new or previously stored voice message stored in a voice mailbox of the user mobile telecommunications terminal;

(b) modifying information of the new or previously received voice

10   message stored in the voice mailbox of the user mobile telecommunications terminal, according to the user input modifying information received in the step (a);

(c) forming a short message notifying the voice mail server of the modification of the information of the new or previously received

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15   voice message stored in the voice mailbox of the user mobile

telecommunications terminal; and

        (d) sending the short message, formed in the step (c), notifying

the voice mail server of the modification of the information the new or

previously received voice message stored in the voice mailbox of the

20   user mobile telecommunications terminal.

19.   A computer readable medium having embodied thereon a computer program for a voice mail system, between a user mobile telecommunications terminal and a voice mail server, managing voice mailboxes using a short message, wherein the voice mailbox management method comprises the steps of:

(a) receiving a short message indicating the modification of information on a new or previously stored message stored in a voice mailbox of a user mobile telecommunications terminal from the user mobile telecommunications terminal; and

(b) changing a state of a voice message stored in the voice mailbox of the user mail server, according to the modification of the information of the voice message stored in the voice mailbox of the user mobile telecommunications terminal, which was notified through the short message received in the step (a)